

**Study Number:** C13063-01  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Rat/Sprague Dawley

**R07: Hormone Summary**  
**Test Compound:** 2-ethylhexyl-2,3,4,5-tetrabromobenzoate  
**CAS Number:** 183658-27-7

**Date Report Requested:** 04/08/2019  
**Time Report Requested:** 11:46:35  
**Lab:** Battelle

**C Number:**

C13063-01

**Study Gender:**

Male

**PWG Approval Date**

See web page for date of PWG Approval

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**Male: Core Males**

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Terminal Sacrifice		Treatment Groups (mg/kg)			
		0	0.05	0.55	5.5
SD 5 - 5	Thyroid Stimulating Hormone (ng/mL)	13.6 ± 1.7 (5) *	11.1 ± 0.8 (6)	19.3 ± 2.1 (6)	17.1 ± 1.9 (6)
SD 5 - 5	Triiodothyronine (ng/dL)	124.920 ± 12.435 (5) **	131.083 ± 4.392 (6)	129.717 ± 14.276 (6)	128.617 ± 10.423 (6)
SD 5 - 5	Free Thyroxine (ng/dL)	2.188 ± 0.289 (5)	1.545 ± 0.160 (6)	1.743 ± 0.067 (6)	2.350 ± 0.190 (6)
SD 5 - 5	Total Thyroxine (ug/dL)	5.80 ± 0.40 (5)	5.67 ± 0.28 (6)	5.83 ± 0.20 (6)	7.02 ± 0.71 (6)

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**Terminal  
Sacrifice**

**Treatment Groups (mg/kg)**

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**55**

**550**

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SD 5 - 5	Thyroid Stimulating Hormone (ng/mL)	13.4 ± 1.7 (6)	22.2 ± 3.3 (6)
SD 5 - 5	Triiodothyronine (ng/dL)	103.233 ± 9.201 (6)	72.017 ± 3.069 (6) **
SD 5 - 5	Free Thyroxine (ng/dL)	2.223 ± 0.172 (6)	0.743 ± 0.095 (6) **
SD 5 - 5	Total Thyroxine (ug/dL)	6.52 ± 0.47 (5)	3.38 ± 0.34 (5)

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM (N) unless otherwise noted.

SD – Study Day

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

**\*\* END OF REPORT \*\***